5AP1130.156C-001

1 General information

- Panel for PPC2100, PPC2200 or PPC3100
- 15.6" TFT WXGA color display
- Multi-touch (projected capacitive)
- Manufactured with optical bonding technology

This product is part of a product group. More detailed and cross-system chapters (e.g. system overview, international and national certifications) are included in the associated system manual.

Other applicable documents:

Mat. no. / Document name	Title
MAAP1000	AP1000 user's manual

2 Order data

Order number	Short description	Figure
	Panels	
5AP1130.156C-001	Automation Panel 15.6" Full HD TFT - 1920 x 1080 pixels (16:9) - Multi-touch (projected capacitive) - Control cabinet installation - Landscape format - Optical bonding - For PPC900/PPC2100/PPC3100/PPC2200 - For link modules	

3 Technical data

Order number	5AP1130.156C-001
General information	
B&R ID code	0x28B5
Certifications	
CE	Yes
UL	cULus E115267 Industrial control equipment
Display	
Type	TFT color
Diagonal	15.6"
Colors	16.7 million
Resolution	FHD, 1920 x 1080 pixels
Contrast	1500:1
Viewing angles	
Horizontal	Direction R = 85° / Direction L = 85°
Vertical	Direction U = 85° / Direction D = 85°
Backlight	
Type	LED
Brightness (dimmable)	Typ. 40 to 400 cd/m²
Half-brightness time [1]	70,000 h
Touch screen [2]	
Type	3M
Technology	Projected capacitive touch (PCT)
Controller	3M
Transmittance	See section "Touch screen" in appendix A.
Operating conditions	
Pollution degree per EN 61131-2	Pollution degree 2
Degree of protection per EN 60529	Front: IP65 Back: IP20 (only with installed link module or installed system unit)
Degree of protection per UL 50	Front: Type 4X indoor use only

Order number	5AP1130.156C-001
Mechanical properties	
Front [3]	
Frame	Aluminum, coated
Design	Black
Gasket	3 mm fixed gasket
Dimensions	
Width	414 mm
Height	258.5 mm
Weight	3700 g

1) At 25°C ambient temperature. Reducing the brightness by 50% can increase the half-brightness time by approximately 50%.
2) The specifications for the touch screen driver must be taken into account. See section "Multi-touch drivers" in chapter 4 "Software".
3) Visual deviations in color and surface quality are possible due to process or batch conditions.
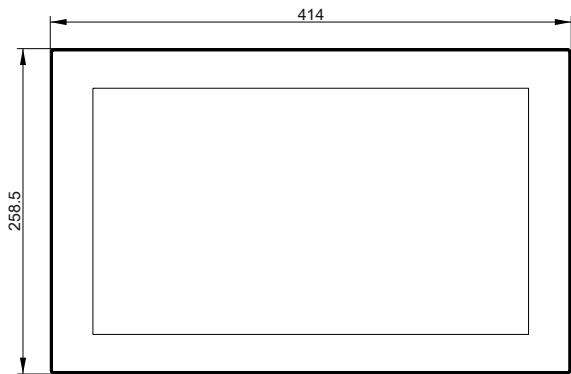
4 Dimensions

Figure 1: 5AP933.156B-00 - Dimensions
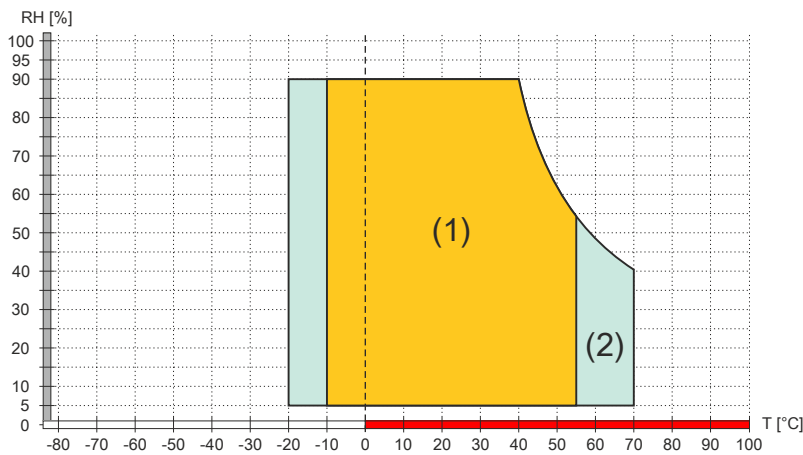
5 Temperature/Humidity diagram

Diagram legend			
(1)	Operation	T [°C]	Temperature in °C
(2)	Storage and transport	RH [%]	Relative humidity (RH) in percent and **non-condensing**